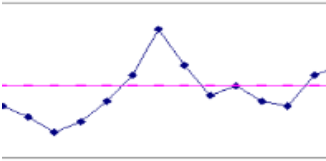
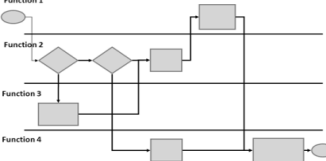
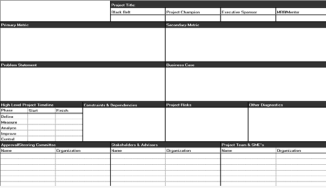


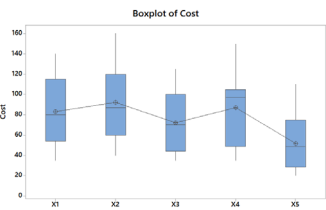

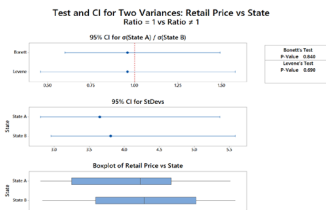
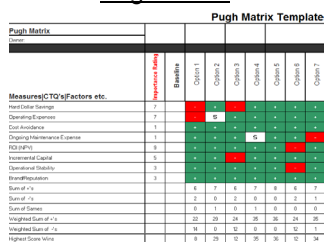
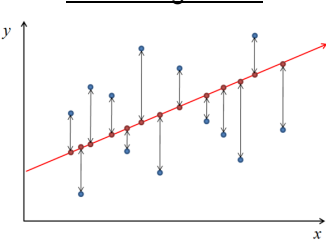

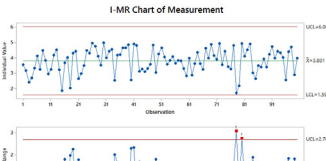




# Lean Six Sigma DMAIC Roadmap

Define	<p><b>Primary Metric</b></p> 	<p><b>Process Map</b></p> 	<p><b>Project Charter</b></p> 	<p><b>Project Plan</b></p> 	<ul style="list-style-type: none"> <li>* Process Map</li> <li>* Gather VOC</li> <li>* Translate VOC to CTQ's</li> <li>* QFD/HOQ</li> <li>* COPQ</li> <li>* Primary &amp; Secondary Metrics</li> <li>* Establish Project Charter</li> <li>* Stakeholder Analysis</li> <li>* Team Selection</li> <li>* Project Plan</li> </ul>
Measure	<p><b>C&amp;E</b></p> 	<p><b>SIPOC</b></p> 	<p><b>FMEA</b></p> <p>Failure Modes &amp; Effects Analysis - FMEA</p> 	<p><b>Cpk</b></p> <p>Process Capability Report for HBK</p> 	<ul style="list-style-type: none"> <li>* Early Y=f(x) Hypothesis</li> <li>* Detailed Process Map</li> <li>* SIPOC</li> <li>* Cause &amp; Effect Diagram</li> <li>* Cause &amp; Effect Matrix</li> <li>* FMEA</li> <li>* Basic Statistics</li> <li>* Normality Test</li> <li>* Capability Analysis</li> <li>* Gage R&amp;R</li> </ul>
Analyze	<p><b>Normality Test</b></p> 	<p><b>ANOVA</b></p> 	<p><b>2 Sample t-test</b></p> 	<p><b>Equal Variances</b></p> 	<ul style="list-style-type: none"> <li>* Narrowed Y=f(x)</li> <li>* 1 &amp; 2 Sample t-tests</li> <li>* 1 &amp; 2 Proportions tests</li> <li>* Equal variance tests</li> <li>* Normality tests</li> <li>* ANOVA</li> <li>* Moods Median</li> <li>* Mann Whitney</li> <li>* Paired t-test</li> <li>* Chi-Squared test</li> </ul>
Improve	<p><b>Pugh Matrix</b></p> 	<p><b>Linear Regression</b></p> 	<p><b>Binary Logistic Regression</b></p> 	<p><b>DOE</b></p> 	<ul style="list-style-type: none"> <li>* Refined Y=f(x)</li> <li>* Pugh Matrix</li> <li>* Correlation</li> <li>* Simple Linear Regression</li> <li>* Multiple Linear Regression</li> <li>* Binary Logistic Regression</li> <li>* Full Factorial DOE</li> <li>* Fractional Factorial DOE</li> </ul>
Control	<p><b>Control Plan</b></p> 	<p><b>SOP's</b></p> <p>Standard Operating Procedure Template</p> 	<p><b>Communication Plan</b></p> 	<p><b>SPC</b></p> 	<ul style="list-style-type: none"> <li>* Control Plan</li> <li>* Training Plan</li> <li>* Refined FMEA</li> <li>* Communication Plan</li> <li>* Standard Operating Procedures</li> <li>* Five-S Audit</li> <li>* Poke Yoke</li> <li>* Visual Controls</li> <li>* Statistical Process Control</li> </ul>